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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/743,237 12/22/2003		12/22/2003	Pazhayannur Ramanathan Subramanian	136721-1	6973
6147	7590	09/19/2006		EXAM	NER
GENERAL GLOBAL R		TRIC COMPANY	SHEEHAN, JOHN P		
		.n RM. BLDG. K1-4A	ART UNIT	PAPER NUMBER	
NISKAYUN	NA, NY	12309		1742	
				DATE MAILED: 09/19/2006	ń

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	10/743,237	SUBRAMANIAN ET AL.					
Office Action Summary	Examiner	Art Unit					
	John P. Sheehan	1742					
The MAILING DATE of this communication appeared for Reply	pears on the cover sheet	with the correspondence address					
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUN 136(a). In no event, however, may a will apply and will expire SIX (6) MO e, cause the application to become a	IICATION. a reply be timely filed DNTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on							
2a) ☐ This action is FINAL . 2b) ☐ This	ion is FINAL . 2b) This action is non-final.						
3) Since this application is in condition for allowa	•						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
 4) Claim(s) 1-56 is/are pending in the application 4a) Of the above claim(s) is/are withdrays 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-56 are subject to restriction and/or example. 	wn from consideration.						
Application Papers							
9)☐ The specification is objected to by the Examiner.							
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Ex	·						
	tarmior. Note the attack	54 51166 7 161161 61 161111 1 16 162.					
Priority under 35 U.S.C. § 119							
12) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☐ None of:		§ 119(a)-(d) or (f).					
1. Certified copies of the priority document							
2. Certified copies of the priority document							
Copies of the certified copies of the prior application from the International Bureau	•	ii received iii triis National Stage					
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
	•						
Attachment(s) 1) Notice of References Cited (PTO-892)	4) 🗀 latan da	Summan, (PTO 412)					
2) Notice of Praftsperson's Patent Drawing Review (PTO-948)		Summary (PTO-413) o(s)/Mail Date					

3) Information Disclosure Statement(s) (PTO/SB/08)

Paper No(s)/Mail Date ___

5) Notice of Informal Patent Application
6) Other:

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DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - Claims 1 to 47, drawn to a structural component comprising a metallic matrix and a plurality of nanoparticles, classified in class 420, subclass 1+.
 - II. Claims 48 to 56, drawn to a method of making a bulk nanocomposite comprising providing a nanocomposite powder and a metallic matrix, consolidating the nanocomposite powder and thermomechanically processing the nanocomposite powder to form the bulk nanocomposite classified in class 419, subclass 1+.

The inventions are distinct, each from the other because of the following reasons:

- 2. Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make another and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the product as claimed can be made by another and materially different process, such as for example electrodeposition, composite electroless deposition, etc.
- 3. While it is noted that claims 14 to 47 are product-by-process claims and incorporate process steps, a product defined by the process by which it can be made is

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still a product claim (In re Bridgeford, 149 USPQ 55 (CCPA 1966)) and can be restricted from the process if the product as claimed can be made by another materially different process such as the alternative process described above. See In re Brown, 173 U.S.P.Q 685, and In re Fessmann, 180 U.S.P.Q. 324, for analysis of weight given to process step recitations in product claims also see MPEP 2113 and 806.05(f).

- 4. Because these inventions are independent or distinct for the reasons given above, because the inventions require a different field of search and because the inventions have acquired a separate status in the art in view of their different classification there would be a serious burden on the examiner if restriction is not required, restriction for examination purposes as indicated is proper.
- 5. Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.
- 6. The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.
- 7. Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions

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unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

8. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to John P. Sheehan whose telephone number is (571) 272-1249. The examiner can normally be reached on T-F (6:45-4:30) Second Monday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Roy King can be reached on (571) 272-1244. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

John P. Sheehan Primary Examiner Art Unit 1742

jps